

-own 3D design and analysis

-flexible and growing production

-continuous quality improvements

-efficient communication



KYASHIF

Hydraulic cylinders

We are specialised in design and manufacturing of standard and customised hydraulic cylinders.

We are a fast growing and innovative company that is continuously improving and investing in new machinery and technologies.

We are confident that we can become your most reliable supplier of hydraulic cylinders.

We guarantee high quality and competitive prices.



www.kyashif.com



The system provides a high definition, 270 degree view from each camera.

New rear view system

Safety camera manufacturer Orlaco has introduced the CornerEye camera and monitoring system for trucks and large vehicles. The new device aims to provide the driver with a good view of blind spots around the vehicle. The system, which Orlaco claims is "unique" combines the latest digital technology with an effective application solution and uses an advanced High Definition monitor along with a heavy duty camera to provide a 270 degree field of vision that more than satisfies the criteria of vision classes V and VI.

The system's wide angle lens and high resolution equipment, combines with the latest low light technology to provide an extra pair of eyes that stay sharp in the dark and during bad weather. The new system is designed to function well in the most extreme cold and volatile conditions. The camera is waterproofed to IP69K and is shock and vibration-resistant. Orlaco claims that the in-cab view is so good that it qualifies the vehicle to an exemption from pavement and front view mirror requirements in accordance with mirror directive R46.

The system is produced in accordance with quality standards ISO/TS 16949:2009 and ISO 9001:2008 and all relevant CE standards. It is also approved under the R10 criteria. The system does not interfere with driver concentration and is not subject to electromagnetic interference.



Lower friction bearings

SKF has upgraded its range of small-size sealed Explorer spherical roller bearings, to offer lower friction, reduced operating temperatures, higher limiting speed ratings and reduced maintenance.

The new bearings use a novel seal design - dubbed 'RS' - which reduces overall friction in the bearing by up to 20 percent. This can translate into annual energy savings of up to 292kWh while the reduced friction provides lower temperatures, permitting maximum operating speeds of up to twice those of existing sealed SKF spherical roller bearings. Lower operating temperatures extend the life of the grease, doubling the lubrication intervals and allowing more applications to be considered lubrication-free.

The new RS seal is designed with an optimised lip pressure reducing seal friction by up to 50 percent while a redesigned outer ring groove provides more reliable sealing and secure retention. A rubberised side face also resists scratches and corrosion more effectively than metallic designs.



SKF has introduced a new range of small sealed, ultra-low friction roller bearings.

New Danfoss motors

Danfoss Power Solutions has launched the H1B210, a new frame size for the successful H1B bent axis range of hydraulic motors. The new frame features a more compact design, higher rotating and acceleration speeds than the H1B250 and integrated controls for better performance and reliability, while providing greater overall efficiency.

The H1B210 frame offers the same option package as other H1B motors in the family but is intended for applications with high installed power, such as crawler/track mounted equipment. The new frame size also enables a cost-efficient drop-box transmission to be used for high corner-power applications, including wheel loaders and telehandlers.

The motor is available with DIN and SAE flanges and has a rated high-speed capability of 3,850 rpm at 20 percent motor displacement. Maximum working pressure is 450 bar. The new frame also offers competitive shaft speeds, an integrated loop flushing device and an optional integrated speed sensor. Other benefits include:

- External accessibility of the shaft seal for easier service/replacement, common parts and a common control interface for all H1B frame sizes simplifying motor conversion.
- Zero-degree capability allows OEMs to develop software-based anti-slip control for multi-motor transmissions, resulting in reduced ground damage, increased traction control and improved machine controllability for the operator.
- Two-edge spool design of the 3/2-way valve spool also increases efficiency due to low volumetric losses and reduced hysteresis for better controllability.
- Strong synch joint can withstand high acceleration and deceleration and one-piece housing means fewer potential leak paths.

The new Danfoss H1B210 series of motors are more efficient, compact and controllable.



enquiries

To contact any of these companies click on the 'Access & Lifting Directory' section of www.vertikal.net, where you will find direct links to the companies' web sites for up to 12 weeks after publication.

To have your company's new product or service featured in this section, please send in all information along with images via e-mail to: editor@vertikal.net with 'Innovations' typed in the subject box.